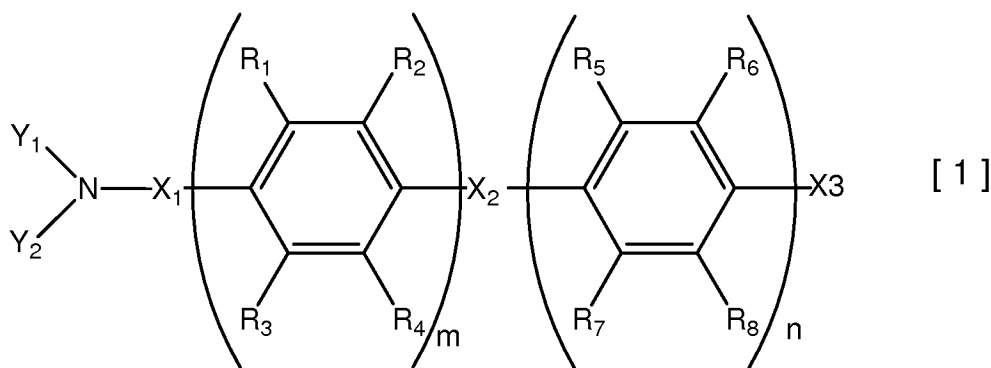


b) Amendments to the Claims

A detailed listing of the pending claims is provided which replaces all earlier versions.

1. (Currently Amended) A monoamino compound represented by the following general formula [1]:



(wherein X_1 and X_2 represent divalent groups respectively selected from the group consisting of a substituted or unsubstituted alkylene group, aralkylene group, arylene group and heterocyclic group; and an alkylene group, an aralkylene group, an alkenylene group, an amino group, a silyl group, a carbonyl group, an ether group and a thioether group, each of which has a coupling group including substituted or unsubstituted arylene group or a divalent heterocyclic group, in which X_1 and X_2 may be identical with or different from each other, and also X_1 and X_2 may be directly bonded with each other;

X_3 represents a group selected from the group consisting of

~~a hydrogen atom, a halogen group, and~~ substituted or unsubstituted alkyl group, aralkyl group, aryl group, and heterocyclic group, in which X_3 may be identical with or different from X_1 or X_2 and in which the substituent is selected from the group consisting of alkyl, benzyl, phenethyl, aralkyl, alkoxy, phenoxy, 4-butylphenoxy, benzyloxy, phenyl, alkylphenyl, chlorophenyl, biphenyl, terphenyl, naphthyl, anthryl, phenanthryl, pyrenyl, heterocyclic, halogen, cyano, and nitro;

Y_1 and Y_2 represent groups respectively selected from the group consisting of a substituted or unsubstituted alkyl group, aralkyl group aryl group and heterocyclic group; a substituted or unsubstituted alkylene group, aralkylene group, alkenylene group, amino group, and silyl group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group; and an unsubstituted carbonyl group, ether group, and thioether group, each of which has a coupling group consisting of a substituted or unsubstituted arylene group or a divalent heterocyclic group, in which Y_1 and Y_2 may be identical with or different from each other;

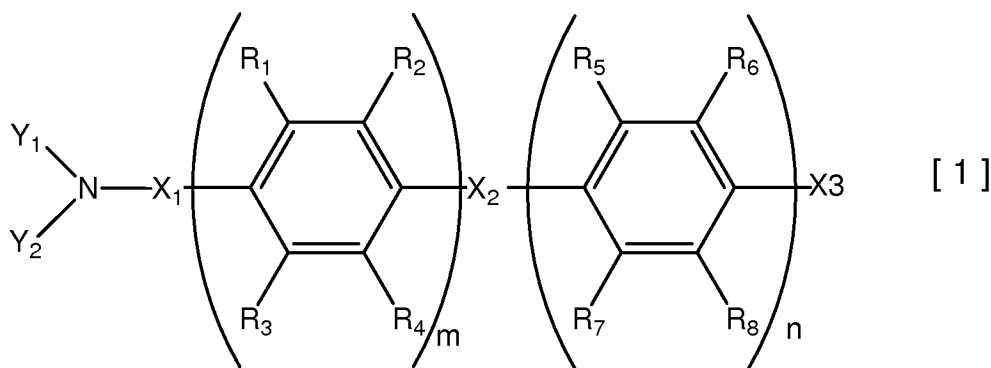
Y_1 and Y_2 or X_1 , Y_1 , and Y_2 may be bonded with each other to form a ring;

R_1 to R_8 represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, and a substituted or unsubstituted alkyl group, aralkyl group, and aryl group, in which R_1 to R_8 may be identical with or different from each other; and

$m + n$ denotes an integer number of 4 to 10 when all of R_1 to R_8 are hydrogen atoms, and X_1 and X_2 are directly bonded with each other, and X_3 is a hydrogen atom, or denotes an integer number of 1 to 10 under the other conditions.)

2.-8. (Cancelled)

9. (New) An organic luminescence device comprising at least a pair of electrodes including an anode and a cathode and one or a plurality of layers containing an organic compound sandwiched between the pair of electrodes, wherein at least one of the layers containing the organic compound contains at least one of compounds represented by the following general formula [1]:



(wherein X_1 or X_2 represent divalent groups respectively selected from the group consisting of a substituted or unsubstituted alkylene group, aralkylene group, arylene group and heterocyclic group; and an alkylene group, an aralkylene group,

an alkenylene group, an amino group, a silyl group, a carbonyl group, an ether group and a thioether group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group, in which X_1 or X_2 may be identical with or different from each other, and also X_1 or X_2 may be directly bonded with each other;

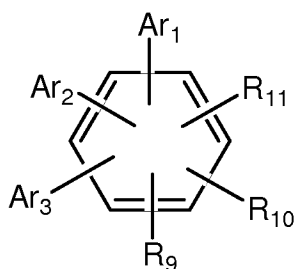
X_3 represents a group selected from the group consisting of substituted or unsubstituted alkyl group, aralkyl group, aryl group, and heterocyclic group, in which X_3 may be identical with or different from X_1 or X_2 and in which the substituent is selected from the group consisting of alkyl, benzyl, phenethyl, aralkyl, alkoxy, phenoxy, 4-butylphenoxy, benzyloxy, phenyl, alkylphenyl, chlorophenyl, biphenyl, terphenyl, naphthyl, anthryl, phenanthryl, pyrenyl, heterocyclic, halogen, cyano, and nitro;

Y_1 and Y_2 represent groups respectively from the group consisting of a substituted or unsubstituted alkyl group, aralkyl group, aryl group and heterocyclic group; a substituted or unsubstituted alkylene group, aralkylene group, alkenylene group, amino group, and silyl group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group; and an unsubstituted carbonyl group, ether group, and thioether group, each of which has a coupling group including a substituted unsubstituted arylene group or a divalent heterocyclic group, in which Y_1 and Y_2 may be identical with or different from each other;

Y_1 and Y_2 , or X_1 , Y_1 and Y_2 may be bonded with each other to form a ring;

R_1 to R_8 represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, and a substituted or unsubstituted alkyl group, aralkyl group, and aryl group, in which R_1 to R_8 may be identical with or different from each other; and

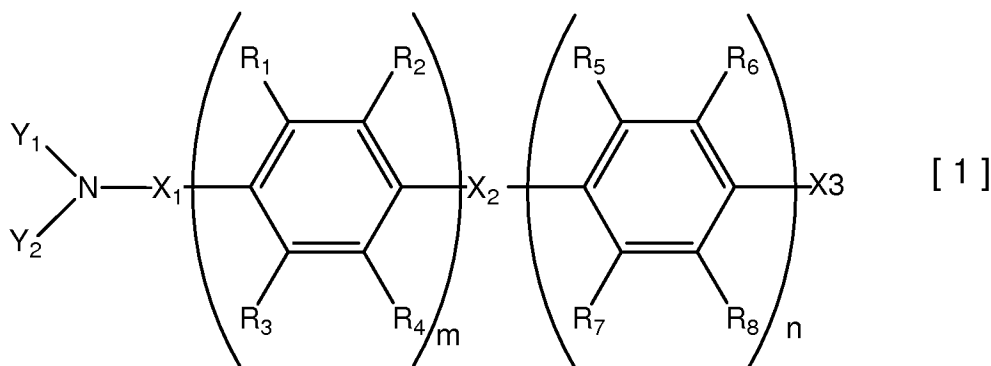
$m + n$ denotes an integer number of 4 to 10 when all of R_1 to R_8 are hydrogen atoms, and X_1 and X_2 are directly bonded with each other, and X_3 is a hydrogen atom, or denotes an integer number of 1 to 10 under the other conditions, wherein the layer containing the compound represented by the general formula [1] contains at least one of the compounds represented by the following general formula [2]:



[2]

(wherein Ar_1 to Ar_3 represent groups respectively selected from the group consisting of a substituted or unsubstituted aryl group and heterocyclic group, in which Ar_1 to Ar_3 may be identical with or different from each other, or one of them may be a hydrogen atom, a substituted or unsubstituted alkyl group, or a substituted or unsubstituted aralkyl group; and R_9 to R_n represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, substituted or unsubstituted alkyl group and aralkyl group, a substituted amino group, and a cyano group.)

10. (New) An organic luminescence device comprising at least a pair of electrodes including an anode and a cathode and one or a plurality of layers containing an organic compound sandwiched between the pair of electrodes, wherein at least one of the layers containing the organic compound contains at least one of compounds represented by the following general formula [1]:



(wherein X_1 or X_2 represent divalent groups respectively selected from the group consisting of a substituted or unsubstituted alkylene group, aralkylene group, arylene group and heterocyclic group; and an alkylene group, an aralkylene group, an alkenylene group, an amino group, a silyl group, a carbonyl group, an ether group and a thioether group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group, in which X_1 or X_2 may be identical with or different from each other, and also X_1 or X_2 may be directly bonded with each other;

X_3 represents a group selected from the group consisting of substituted or unsubstituted alkyl group, aralkyl group, aryl group, and heterocyclic group, in which X_3 may be identical with or different from X_1 or X_2 and in which the substituent is

selected from the group consisting of alkyl, benzyl, phenethyl, aralkyl, alkoxy, phenoxy, 4-butylphenoxy, benzyloxy, phenyl, alkylphenyl, chlorophenyl, biphenyl, terphenyl, naphthyl, anthryl, phenanthryl, pyrenyl, heterocyclic, halogen, cyano, and nitro;

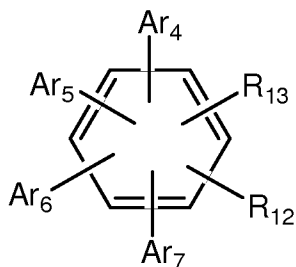
Y_1 and Y_2 represent groups respectively from the group consisting of a substituted or unsubstituted alkyl group, aralkyl group, aryl group and heterocyclic group; a substituted or unsubstituted alkylene group, aralkylene group, alkenylene group, amino group, and silyl group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group; and an unsubstituted carbonyl group, ether group, and thioether group, each of which has a coupling group including a substituted unsubstituted arylene group or a divalent heterocyclic group, in which Y_1 and Y_2 may be identical with or different from each other;

Y_1 and Y_2 , or X_1 , Y_1 and Y_2 may be bonded with each other to form a ring;

R_1 to R_8 represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, and a substituted or unsubstituted alkyl group, aralkyl group, and aryl group, in which R_1 to R_8 may be identical with or different from each other; and

$m + n$ denotes an integer number of 4 to 10 when all of R_1 to R_8 are hydrogen atoms, and X_1 and X_2 are directly bonded with each other, and X_3 is a hydrogen atom, or denotes an integer number of 1 to 10 under the other conditions, wherein the layer

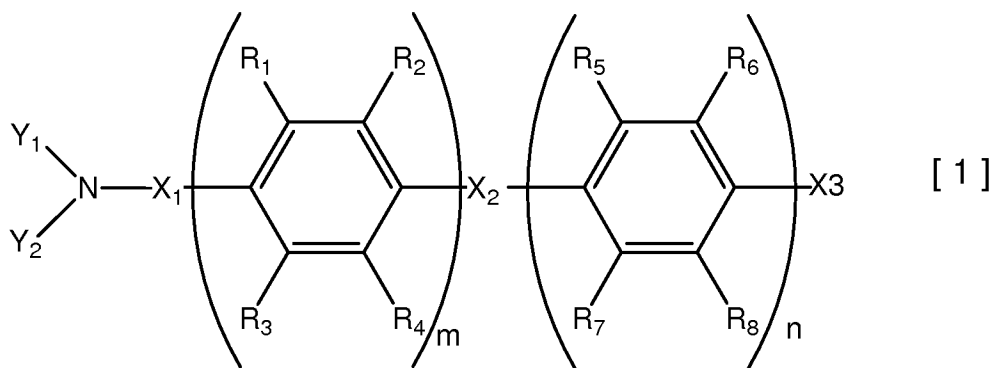
containing the compound represented by the general formula [1] contains at least one of the compounds represented by the following general formula [3]:



[3]

(wherein Ar₄ to Ar₇ represent groups respectively selected from the group consisting of a substituted or unsubstituted aryl group and heterocyclic group, in which Ar₄ to Ar₇ may be identical with or different from each other; and R₁₂ and R₁₃ represent groups selected from the group consisting of a hydrogen atom, a halogen group, substituted or unsubstituted alkyl group and aralkyl group, a substituted amino group, and a cyano group.)

11. (New) An organic luminescence device comprising at least a pair of electrodes including an anode and a cathode and one or a plurality of layers containing an organic compound sandwiched between the pair of electrodes, wherein at least one of the layers containing the organic compound contains at least one of compounds represented by the following general formula [1]:



(wherein X_1 or X_2 represent divalent groups respectively selected from the group consisting of a substituted or unsubstituted alkylene group, aralkylene group, arylene group and heterocyclic group; and an alkylene group, an aralkylene group, an alkenylene group, an amino group, a silyl group, a carbonyl group, an ether group and a thioether group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group, in which X_1 or X_2 may be identical with or different from each other, and also X_1 or X_2 may be directly bonded with each other;

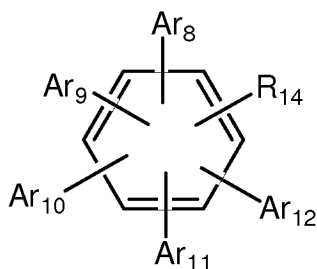
X_3 represents a group selected from the group consisting of substituted or unsubstituted alkyl group, aralkyl group, aryl group, and heterocyclic group, in which X_3 may be identical with or different from X_1 or X_2 and in which the substituent is selected from the group consisting of alkyl, benzyl, phenethyl, aralkyl, alkoxy, phenoxy, 4-butylphenoxy, benzyloxy, phenyl, alkylphenyl, chlorophenyl, biphenyl, terphenyl, naphthyl, anthryl, phenanthryl, pyrenyl, heterocyclic, halogen, cyano, and nitro;

Y_1 and Y_2 represent groups respectively from the group consisting of a substituted or unsubstituted alkyl group, aralkyl group, aryl group and heterocyclic group; a substituted or unsubstituted alkylene group, aralkylene group, alkenylene group, amino group, and silyl group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group; and an unsubstituted carbonyl group, ether group, and thioether group, each of which has a coupling group including a substituted unsubstituted arylene group or a divalent heterocyclic group, in which Y_1 and Y_2 may be identical with or different from each other;

Y_1 and Y_2 , or X_1 , Y_1 and Y_2 may be bonded with each other to form a ring;

R_1 to R_8 represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, and a substituted or unsubstituted alkyl group, aralkyl group, and aryl group, in which R_1 to R_8 may be identical with or different from each other; and

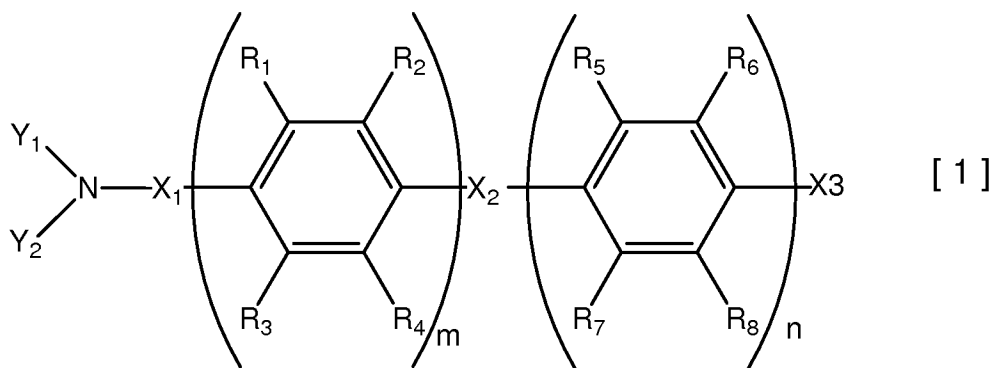
$m + n$ denotes an integer number of 4 to 10 when all of R_1 to R_8 are hydrogen atoms, and X_1 and X_2 are directly bonded with each other, and X_3 is a hydrogen atom, or denotes an integer number of 1 to 10 under the other conditions, wherein the layer containing the compound represented by the general formula [1] contains at least one of the compounds represented by the following general formula [4]:



[4]

(wherein Ar₈ to Ar₁₂ represent groups respectively selected from the group consisting of a substituted or unsubstituted aryl group and heterocyclic group, in which Ar₈ to Ar₁₂ may be identical with or different from each other; and R₁₄ represents a group selected from the group consisting of a hydrogen atom, a halogen group, substituted or unsubstituted alkyl group, aralkyl group, aryl group and heterocyclic group, a substituted amino group, and a cyano group.)

12. (New) An organic luminescence device comprising at least a pair of electrodes including an anode and a cathode and one or a plurality of layers containing an organic compound sandwiched between the pair of electrodes, wherein at least one of the layers containing the organic compound contains at least one of compounds represented by the following general formula [1]:



(wherein X_1 or X_2 represent divalent groups respectively selected from the group consisting of a substituted or unsubstituted alkylene group, aralkylene group, arylene group and heterocyclic group; and an alkylene group, an aralkylene group, an alkenylene group, an amino group, a silyl group, a carbonyl group, an ether group and a thioether group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group, in which X_1 or X_2 may be identical with or different from each other, and also X_1 or X_2 may be directly bonded with each other;

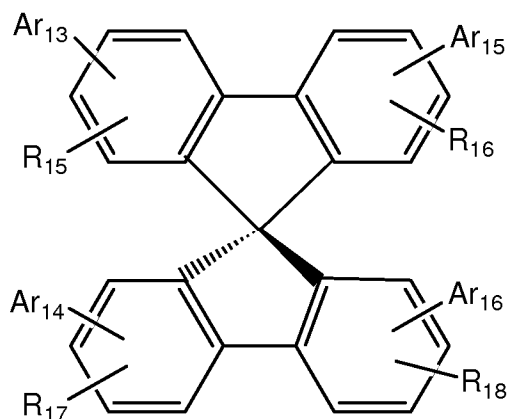
X_3 represents a group selected from the group consisting of substituted or unsubstituted alkyl group, aralkyl group, aryl group, and heterocyclic group, in which X_3 may be identical with or different from X_1 or X_2 and in which the substituent is selected from the group consisting of alkyl, benzyl, phenethyl, aralkyl, alkoxy, phenoxy, 4-butylphenoxy, benzyloxy, phenyl, alkylphenyl, chlorophenyl, biphenyl, terphenyl, naphthyl, anthryl, phenanthryl, pyrenyl, heterocyclic, halogen, cyano, and nitro;

Y_1 and Y_2 represent groups respectively from the group consisting of a substituted or unsubstituted alkyl group, aralkyl group, aryl group and heterocyclic group; a substituted or unsubstituted alkylene group, aralkylene group, alkenylene group, amino group, and silyl group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group; and an unsubstituted carbonyl group, ether group, and thioether group, each of which has a coupling group including a substituted unsubstituted arylene group or a divalent heterocyclic group, in which Y_1 and Y_2 may be identical with or different from each other;

Y_1 and Y_2 , or X_1 , Y_1 and Y_2 may be bonded with each other to form a ring;

R_1 to R_8 represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, and a substituted or unsubstituted alkyl group, aralkyl group, and aryl group, in which R_1 to R_8 may be identical with or different from each other; and

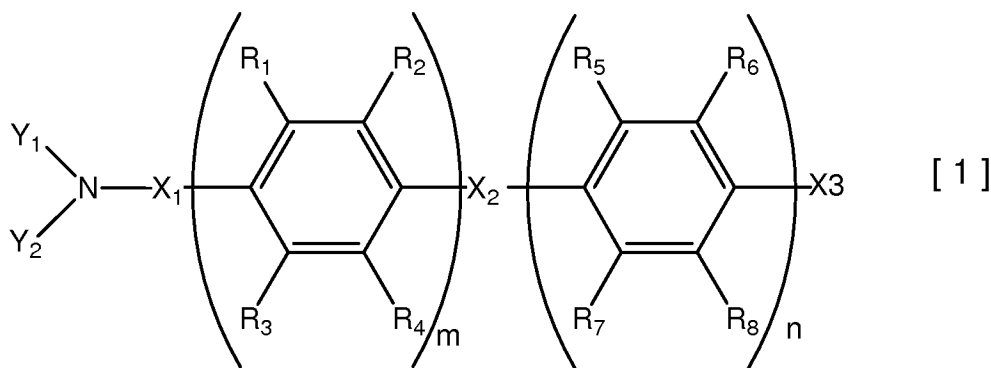
$m + n$ denotes an integer number of 4 to 10 when all of R_1 to R_8 are hydrogen atoms, and X_1 and X_2 are directly bonded with each other, and X_3 is a hydrogen atom, or denotes an integer number of 1 to 10 under the other conditions, wherein the layer containing the compound represented by the general formula [1] contains at least one of the compounds represented by the following general formula [5]:



[5]

(wherein Ar₁₃ to Ar₁₆ represent groups respectively selected from the group consisting of a substituted or unsubstituted aryl group and heterocyclic group, in which Ar₁₃ to Ar₁₆ may be identical with or different from each other, or at most three of Ar₁₃ to Ar₁₆ may be a hydrogen atom, a substituted or unsubstituted alkyl group, or a substituted or unsubstituted aralkyl group; and R₁₅ to R₁₈ represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, substituted or unsubstituted alkyl group, aralkyl group, aryl group and heterocyclic group, a substituted amino group, and a cyano group.)

13. (New) An organic luminescence device comprising at least a pair of electrodes including an anode and a cathode and one or a plurality of layers containing an organic compound sandwiched between the pair of electrodes, wherein at least one of the layers containing the organic compound contains at least one of compounds represented by the following general formula [1]:



(wherein X_1 or X_2 represent divalent groups respectively selected from the group consisting of a substituted or unsubstituted alkylene group, aralkylene group, arylene group and heterocyclic group; and an alkylene group, an aralkylene group, an alkenylene group, an amino group, a silyl group, a carbonyl group, an ether group and a thioether group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group, in which X_1 or X_2 may be identical with or different from each other, and also X_1 or X_2 may be directly bonded with each other;

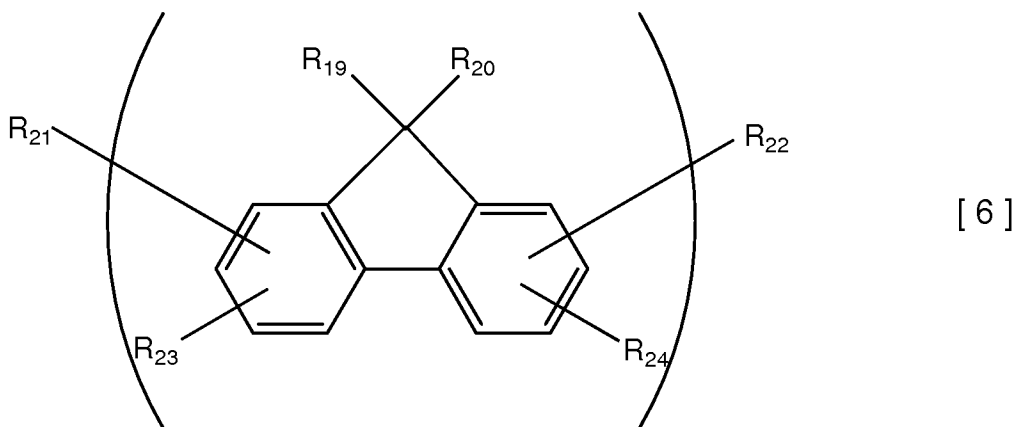
X_3 represents a group selected from the group consisting of substituted or unsubstituted alkyl group, aralkyl group, aryl group, and heterocyclic group, in which X_3 may be identical with or different from X_1 or X_2 and in which the substituent is selected from the group consisting of alkyl, benzyl, phenethyl, aralkyl, alkoxy, phenoxy, 4-butylphenoxy, benzyloxy, phenyl, alkylphenyl, chlorophenyl, biphenyl, terphenyl, naphthyl, anthryl, phenanthryl, pyrenyl, heterocyclic, halogen, cyano, and nitro;

Y_1 and Y_2 represent groups respectively from the group consisting of a substituted or unsubstituted alkyl group, aralkyl group, aryl group and heterocyclic group; a substituted or unsubstituted alkylene group, aralkylene group, alkenylene group, amino group, and silyl group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group; and an unsubstituted carbonyl group, ether group, and thioether group, each of which has a coupling group including a substituted unsubstituted arylene group or a divalent heterocyclic group, in which Y_1 and Y_2 may be identical with or different from each other;

Y_1 and Y_2 , or X_1 , Y_1 and Y_2 may be bonded with each other to form a ring;

R_1 to R_8 represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, and a substituted or unsubstituted alkyl group, aralkyl group, and aryl group, in which R_1 to R_8 may be identical with or different from each other; and

$m + n$ denotes an integer number of 4 to 10 when all of R_1 to R_8 are hydrogen atoms, and X_1 and X_2 are directly bonded with each other, and X_3 is a hydrogen atom, or denotes an integer number of 1 to 10 under the other conditions, wherein the layer containing the compound represented by the general formula [1] contains at least one of the compounds represented by the following general formula [6]:



(wherein R_{19} and R_{20} represent groups respectively selected from the group consisting of a hydrogen atom, and substituted or unsubstituted alkyl group, aralkyl group, and aryl group, in which the R_{19} groups or the R_{20} groups bonded with different fluorene groups may be identical with or different from each other, and R_{19} and R_{20} bonded with the same fluorene group may be identical with or different from each other; and

R_{21} to R_{24} represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, substituted or unsubstituted alkyl group, aralkyl group, and alkoxy group, a substituted silyl group, and a cyano group; and p is an integer number of 2 to 10.)

14. (New) An organic luminescence device according to Claim 9, wherein the layer containing the compound represented by the general formula [1] is provided as a luminescent layer.

15. (New) An organic luminescence device according to Claim 10, wherein the layer containing the compound represented by the general formula [1] is provided as a luminescent layer.

16. (New) An organic luminescence device according to Claim 11, wherein the layer containing the compound represented by the general formula [1] is provided as a luminescent layer.

17. (New) An organic luminescence device according to Claim 12, wherein the layer containing the compound represented by the general formula [1] is provided as a luminescent layer.

18. (New) An organic luminescence device according to Claim 13, wherein the layer containing the compound represented by the general formula [1] is provided as a luminescent layer.